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Order from NRCC \$1.00 NRCC C-4375

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p. 200-208.

DESCRIPTORS: *Ice, *Melting, Accelerators, Solar
radiation, Dyes: Sand, Coal, Particles, *De-icing
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63-17409

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- IV. National Research
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NLL Ref: 8752 1763 (11/11)
(LOAN)

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[74]p. 34 ref.

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p. 110-149.

DESCRIPTORS: Cosmic rays, Intensity, Diurnal vari-
ations, Solar flares, Geophysics, Terrestrial mag-
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(Astronomy-- astrophysics, TT, v. 9, no. 4)

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Order from YTS, SLA, or ETC \$28.50 TT-64-13176

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27-30 May 58. Tudy, Moscow, 1960, 440p.

Separate entries have been prepared for the individual
articles.

DESCRIPTIONS: *Astronomy, *Conferences, Reports,
*Astronomical geodesics

(Astronomy), TT, v. 11, no. 5)

TT-64-13176

- I. FTD-TT-62-13176
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Command, Wright-
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Tel'pukhovskii, N. A.

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Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
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27-30 May 58. Trudy. Moscow, 1960,

DESCRIPTORS: *Time signals, Chronographs,
*Oscillographs, *Radio receivers,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 526-540)

- I. Tel'pukhovskii, N. A.
- II. FTD-TT-62-959
(p. 526-540)
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Air Force Systems
Command, Wright-
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Office of Technical Services

Afanas'eva, P. M.
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Order from OTS, SLA, or ETC \$28.50 to TT-64-13176
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DESCRIPTORS: Astronomical data, Wind, Time, Clocks, Errors.

(Astronomy, TT, v. 11, no. 5)

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- I. Afanas'eva, P. M.
- II. FTD-TT-62-959
(p. 519-525)
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Air Force Systems
Command, Wright-
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Office of Technical Services

Pil'nik, G. P., Tochilina, A. A., and Blinova, N. S.
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NATION. 10 Oct 63, 8p PTD-TT-62-959 (p. 511-518)
Order from OTS, SIA, or ETC \$28.50 in TT-64-13176
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cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomical geodesics, Astronomical
data,

TT-64-13176 (p. 511-518)

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cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Telescopes, Astronomical cameras,
*Optical equipment, *Time, Astronomy, Errors.

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Esipova, M. I.
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DESCRIPTORS: *Astronomical data, Stars, *Time,
Astronomy.

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DESCRIPTORS: *Astronomical data, *Catalogs, Stars,
Astronomy, *Punched cards,

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- II. Zagrebin, D. V.
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(p. 499-503)
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Vasil'ev, V. M. and Polozhentsaev, D. D.
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TORY. 10 Oct 63, 16p 1ref FTD-TT-62-959
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DESCRIPTORS: *Time, *Astronomical data, *Punched
cards, Computers.

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DESCRIPTORS: Clocks, Astronomical data, Time,
Astronomy, Errors, Micrometers,

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DESCRIPTORS: *Time, *Astronomy, *Time signals.

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DESCRIPTORS: *Time, *Astronomical data,
Astronomy.

(Astronomy, TT, v. 11, no. 5)

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- I. Belotserkovskii, D. Yu.
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Command, Wright-
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Popov, N. A.
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AT POLTAVA. 10 Oct 63, 21p (figs omitted) 18 refs
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Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
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DESCRIPTORS: *Astronomical geodesics,

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

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Patterson AFB, Ohio

Office of Technical Services

Potter, Kh. I.
THE PHOTOGRAPHIC ZENITH TUBE OF THE
PULKOV OBSERVATORY. 10 Oct 63, 5p (fig
omitted) FTD-TT-62-959 (p. 442-446)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 442-446)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomical cameras, Specifications

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 442-446)

- I. Potter, Kh. I.
- II. FTD-TT-62-959
(p. 442-446)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Tovchigrechko, S. S.
PRECISION SYNCHROSCOPE TYPE PSKh-1. 10 Oct 63,
8p (figs omitted) Zrefa FTD-TT-62-959 (p. 541-548).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 541-548)

Unedited rough draft trans. from mono. Astronometricheskaya Konferentsiya SSSR (no. 14) Kiev
27-30 May 58. Trudy, Moscow, 1960. (Abstract available)

DESCRIPTORS: *Time signals, *Oscillographs,
*Chronographs, Radio receivers, Precision equipment,

Since 195 the chronoscope PSKh-1 has been in the experimental stage at the Time Service of VNIIM. In spite of the rather large mechanical load across the synchronized motor (two slide contacts to block interference and two non-slide contacts to determine the (over)

TT-64-13176 (p. 541-548)

- I. Tovchigrechko, S. S.
- II. FTD-TT-62-959
(p. 541-548)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-Patterson AFB, Ohio

Office of Technical Services

Tovchigrechko, S. S.
IMPROVEMENT OF THE CONTACT MICROMETER
OF A TRANSIT INSTRUMENT. 10 Oct 63, 8p (figs
omitted) FTD-TT-62-959 (p. 549-556).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 549-556)

Unedited rough draft trans. from mono. Astrometri-
cheskaya konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Micrometers, *Telescopes,

(Astronomy, TT v. 11, no. 5)

TT-64-13176 (p. 549-556)

- I. Title: Transit
instrument
- I. Tovchigrechko, S. S.
- II. FTD-TT-62-959
(p. 549-556)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Shcheglov, V. P.
AN INVESTIGATION OF THE RATE OF CLOCK
SHORTT NO. 39 FROM OBSERVATIONS MADE IN
1952. 10 Oct 63, pp FTD-TT-62-959 (p. 557-562)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 557-562)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Clocks, Errors, Earthquakes, Time.

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 557-562)

- I. Shcheglov, V. P.
- II. FTD-TT-62-959
(p. 557-562)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Nefed'ev, A. A.
PHOTOGRAPHIC OBSERVATIONS OF THE MOON
WITH MARROWITZ CAMERAS AT THE ENGEL-
HARDT OBSERVATORY. 10 Oct 63. 6p
FTD-TT-62-959 (p. 563-568)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 563-568)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 Nov 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, *Astronomical cameras,
*Photograph, Astronomy.

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 563-568)

- I. Nefed'ev, A. A.
- II. FTD-TT-62-959
(p. 563-568)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Gavrilov, I. V.
PHOTOGRAPHIC OBSERVATIONS OF THE MOON
AND SURROUNDING STARS TO DETERMINE THE
PRECISE COORDINATES OF THE MOON. 10 Oct 63.
9p (figs omitted) from PTD-TT-62-959 (p. 569-577)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 569-577)

Unedited rough draft trans. from mono. Astronomi-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, Stars, Photography,
*Astronomical data, Telescopes.

(Astronomy TT, v. 11, no. 5)

TT-64-13176 (p. 569-577)

- I. Gavrilov, I. V.
- II. PTD-TT-62-959
(p. 569-577)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Potter, Kh. I.
THE METHOD USED FOR PROCESSING PHOTO-
GRAPHS OF THE MOON TAKEN WITH A
MARKOVITZ CAMERA AT PULKOVO. 10 Oct 63,
17p 8refs PTD-TT-62-959 (p. 578-594)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 578-594)

Unedited rough draft trans. from mono. Astrometri-
cheskaya K. aferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomical data. Photographs,
*Moon, *Astronomical cameras,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 578-594)

- I. Potter, Kh. I.
- II. PTD-TT-62-959
(p. 578-594)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Khabibullin, Sh. T.

A METHOD FOR THE REDUCTION OF PHOTO-
GRAPHS OF THE MOON OBTAINED BY THE
MARKOWITZ METHOD. 10 Oct 63, 5p 7refs
FTD-TT-62-959 (p. 595-599)

Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 595-599)

Unedited rough draft trans. of mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, Photographs, *Astronomical
data, Astronomical cameras,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 595-599)

I. Khabibullin, Sh. T.

II. FTD-TT-62-959
(p. 595-599)

III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Yakovkin, A. A. and Gorynya, A. A.
REDUCTION OF LUNAR OBSERVATIONS TO A
BARTICENTRIC SPHERE. 10 Oct 63, 9p 12refs
FTD-TT-62-959 (p. 600-608)
Order from JTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 600-608)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 51. Transl. Moscow, 1960.

DESCRIPTIONS: *Moon, *Astronomical data, Spheres,
Least squares method, Functions,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 600-608)

- I. Yakovkin, A. A.
- II. Gorynya, A. A.
- III. FTD-TT-62-959
(p. 600-608)
- IV. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Goryna, A. A. and Drofa, V. K.
IRREGULARITIES IN THE LIMB OF THE MOON
OBTAINED FROM PHOTOGRAPHS. 10 Oct 63, 8p
Iref FTD-TT-62-959 (p. 609-616)
Order from CFS, SLA, or ETC \$28.50 in TT-64-13176
(p. 609-616)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, *Photographs, Astronomical
data, Measurement, Asymmetric bodies, Autonomy

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 609-616)

- I. Goryna, A. A.
- II. Drofa, V. K.
- III. FTD-TT-62-959
(p. 609-616)
- IV. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Gavrilov, I. V.
THE ASYMMETRY OF THE LUNAR DISC ACCORD-
ING TO PHOTOGRAPHIC OBSERVATIONS. 10 Oct 63,
6p 4refs PTD-TT-62-959 (p. 617-622)
Order from CTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 617-622)

Unedited rough draft trans. from mono. Astronomi-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, *Photographs, Astronomy,
Asymmetric bodies,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 617-622)

- I. Gavrilov, I. V.
- II. PTD-TT-62-959
(p. 617-622)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Khabibullin, Sh. T.

A DERIVATION OF THE CONSTANTS OF THE
PHYSICAL LIBERATION OF THE MOON FROM
HARTWIG'S HELIOMETRIC OBSERVATIONS AT
TARTU (DOKPAT) ACCORDING TO KOZIBL'S
REDUCTION DATA. 10 Oct 63, 2p 2refs

FTD-TT-62-959 (p. 623-624)

Order from JTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 623-624)

Unedited rough draft trans. from mono. Astronometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 51. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, Oscillation, Astronomical data,

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 623-624)

- I. Title: Selenography
- I. Khabibullin, Sh. T.
- II. FTD-TT-62-959
(p. 623-624)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Drofa, V. K.
ON THE DERIVATION OF THE VALUES OF THE
MOON'S RADIUS FROM MICROMETRIC OBSERVA-
TIONS. 10 Oct 63, 7p 2refs FTD-TT-62-959
(p. 625-631)
Order from OTS, SI A, or ETC \$28.50 in TT-64-13176
(p. 625-631)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, Measurement, Micrometers,
Astronomical data,

(Astronomy TT v. 11, no. 5)

TT-64-13176 (p. 625-631)

- I. Drofa, V. K.
- II. FTD-TT-62-959
(p. 625-631)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Potter, Kh. I.
THE USE OF LUNAR OBSERVATIONS FOR
GEODESIC CONNECTION OF POINTS IN THE USSR.
10 Oct 63, op 2 refs FTD-TT-62-959 (p. 632-636).
Order from OIS, SLA, or ETC \$28.50 in TT-64-13176
(p. 632-636)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Moon, *Astronomical geodesics,

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 632-636)

- I. Potter, Kh. I.
- II. FTD-TT-62-959
(p. 632-636)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Zverev, M. S.
REPORT OF THE PRESIDIUM OF THE ASTRONOMETRIC
COMMISSION OF THE ASTRONOMIC COUNCIL OF
THE ACADEMY OF SCIENCES, USSR. 10 Oct 68, 14p
FTD-TT-62-959 (p. 5-18).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 5-18)

Uncited rough draft trans. from mono. Astronomi-
cheskiye Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTION: *Astronomy, *Research program
administration, Astronomical data, Reports

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 5-18)

- I. Zverev, M. S.
- II. FTD-TT-62-959
(p. 5-18)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Delch, A. N.
REPORT ON THE SUBCOMMISSION ON PHOTO-
GRAPHY: ASTROMETRY, DEC 55-MAY 58. 10 Oct 63,
(p FTD-TT-62-959 (p. 19-24)).
Order from OTS, SLA, or ETC \$23.50 in TT-64-13176
(p. 19-24)

Unedited rough draft trans. from mono. Astronometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Tudy, Moscow, 1960.

DESCRIPTION: *Astronomy, *Photography, Stars,
Galaxies, Planets, Astronomical data, reports

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 19-24)

- I. Delch, A. N.
- II. FTD-TT-62-959
(p. 19-24)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Fedorov, E. P.
REPORT OF THE SUBCOMMISSION ON LATITUDE.
10 Oct 63, 6p FTD-TT-62-959 (p. 25-30).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 25-30)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Tudy, Moscow, 1960.

DESCRIPTION: *Astronomical geodesics, reports,
*Astronomical data

(Astronomy, TT. v. 11, no. 5)

TT-64-13176 (p. 25-30)

- I. Fedorov, E. P.
- II. FTD-TT-62-959
(p. 25-30)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Pavlov, N. N.
REPORT OF THE SUBCOMMISSION ON THE PROBLEM
OF TIME DETERMINATION. 10 Oct 63. 2p FTD-TT-
62-959 (p. 31-32).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 31-32)

Unedited rough draft trans. from mono. Astronometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Study, Moscow, 1960.

DESC. IPTOLS: *Time, *Astronomical data, *Stars,
Reports, Clocks

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 31-32)

- I. Pavlov, N. N.
- II. FTD-TT-62-959
(p. 31-32)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Yakovkin, A. A.
 REPORT OF THE SUBCOMMISSION ON THE STUDY
 OF THE SHAPE AND MOTION OF THE MOON (1955-
 58). 10 Oct 63, 2p FTD-TT-62-959 (p. 33-34).
 Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
 (p. 33-34)

Unedited rough draft trans. from mono. Astronometri-
 cheskaya Konferentsiya SSSR (no. 14) Kiev,
 27-31 May 58. Trudy, Moscow, 1960.

DESCRIPTION: *Moon, *Extraterrestrial topography,
 Photography, Astronomical data, Astrophysics, Motion,
 Reports

(Astronomy--Astrophysics, TT. v. 11, no. 5)

TT-64-13176 (p. 33-34)

- I. Yakovkin, A. A.
- II. FTD-TT-62-959
 (p. 33-34)
- III. Foreign Tech. Div.,
 Air Force Systems
 Command, Wright-
 Patterson AFB, Ohio

Office of Technical Services

Zverev, M. S.
ASTRONOMICAL WORK AT THE PULKOVO OB-
SERVATORY FROM DECEMBER 1955 THROUGH
MAY 1958. 10 Oct 63, 16p (fig omitted) 6 refs
FTD-TT-62-959 (p. 35-50)
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 35-50)

Unedited rough draft trans. from mono. Astrometri-
cheskiye Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Tudy, Moscow, 1960.

DESCRIPTORS: *Astronomical observatories, Reports,
Astronomical data, Astrophysics, Stars, Astronomical
geodesy, Time, Photography, *Astronomy, Training

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 35-50)

- I. Zverev, M. S.
- II. FTD-TT-62-959
(p. 35-50)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Gordon, Ya. E.
 ASTRONOMICAL OPERATIONS OF THE NIKOLAEV
 BRANCH OF THE MAIN ASTRONOMICAL OBSERVA-
 TORY DURING THE PERIOD 1 JAN 56-30 APR 58.
 101 p. 03, 40 p. TT-CT-959 (p. 51-54)
 Order from UTS, CIA, of CTC \$23.50 in TT-64-13176
 (p. 51-54)

Unedited rough draft trans. from mono. Astronometri-
 cheskaya Konferentsiya SSSR (no. 14) Kiev,
 27-30 May 58. Taldy, Moscow, 1960.

DESCRIPTORS: *Astronomical observatories, *Astro-
 physics, Sun, Moon, Planets, Stars, Time, Clocks,
 Photography, Satellites (Artificial)

(Astronomy--Astrophysics, TT, v. 11, no. 5)

TT-64-13176 (p. 51-54)

- I. Gordon, Ya. E.
- II. FTD-TT-62-595
 (p. 51-54)
- III. Foreign Tech. Div.,
 AF. Force Systems
 Command, Wright-
 Patterson AFB, Ohio

Office of Technical Services

Subbotin, M. F.
 THE ASTROMETRICAL WORK OF THE INSTITUTE
 OF THEORETICAL ASTRONOMY OF THE ACADEMY
 OF SCIENCE OF THE USSR, DEC 55-MAY 58.
 10 Oct 68, 7p 54. In FTD-TT-62-959 (p. 55-61).
 Order form OTS, SLA, or ETC \$28.50 In TT-64-13176
 (p. 55-61)

Unedited rough draft trans. from mono. Astrometri-
 cheskaya Konferentsiya SSSR (no. 14) Kiev,
 27-30 May 58. Tudy, Moscow, 1960.

DESCRIP.TION: *Astronomical data, Documentation,
 Navigational aid. *Astronomical geodesics, Moor,
 Planets

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 55-61)

- I. Subbotin, M. F.
- II. FTD-TT-62-959
 (p. 55-61)
- III. Foreign Tech. Div.,
 Air Force Systems
 Command, Wright-
 Patterson AFB, Ohio

Office of Technical Services

Yakovkin, A. A.
ASTROMETRICAL WORK AT THE MAIN ASTRO-
NOMICAL OBSERVATORY OF THE ACADEMY OF
SCIENCES OF THE UKRAINIAN SSR. 10 Oct 63. 2p
FTD-TT-62-959 (p. 62-63).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 62-63)

Uncited rough draft trans. from mono. Astrometri-
chenkaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 53. Tludy, Moscow, 1960.

DESCRIPTORS: *Astronomical observatories, *Astro-
physics, Photography, Stars, Galaxies, Planets

(Astronomy-Astrophysics, TT, v. 11, no. 5)

TT-64-13176 (p. 62-63)

- I. Yakovkin, A. A.
- II. FTD-TT-62-959
(p. 62-63)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Aksent'eva, Z. N.
THE WORK OF THE POLTAVA GRAVIMETRIC
OBSERVATORY OF THE ACADEMY OF SCIENCES
OF THE UKRAINIAN SSR, 1 DEC 55-1 MAY 59.
10 Oct 63, Sp FTD-TT-62-959 (p. 64-71).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 64-71)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Study, Moscow, 1960.

DESCRIPTIONS: *Astronomical observatories, *Astro-
nomical geodesy. Theory

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 64-71)

- I. Aksent'eva, Z. N.
- II. FTD-TT-62-959
(p. 64-71)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Shcheglov, V. P.
ASTRONOMETRIC WORK AT THE TASHKENT ASTRONOMICAL OBSERVATORY OF THE ACADEMY OF SCIENCES OF UZBEK S.S.R., 1956-57. 10 Oct 63, 3p
FTD TT-62-959 (p. 72-74).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176 (p. 72-74)

Unedited rough draft trans. from mono. Astronometicheskaya Konferentsiya SSSR. (no. 14) Kiev, 27-30 May 58. Tashy, Moscow, 1960.

DESCR. ETCs: *Astronomical observatories, *Astronomy, Stars, Catalogs, Time, Astronomical geodesics, Chronographs, Clocks, Photography

(Astronomy, TT, v. 11, no 5)

TT-64-13176 (p. 72-74)

- I. Shcheglov, V. P.
- II. FTD-TT-62-959 (p. 72-74)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-Patterson AFB, Ohio

Office of Technical Services

Kalmykov, A. M.

WORK OF THE ULUGBEK INTERNATIONAL LATITUDE STATION OF THE ACADEMY OF SCIENCES OF THE UZBEK S.S.R. AT KITAB, DEC 55-APR 58.

10 Oct 63, 2p FTD-TT-62-959 (p. 75-76).

Order from OTS, SLA, or ETC \$28.50 in TT-64-13176 (p. 75-76)

Unedited rough draft trans. from mono. Astrometri-chenkaya Konferentsiya SSSR (no. 14) Kiev, 27-30 May 58. Study, Moscow, 1960.

DESCRIPTORS: *Astronomical geodesics, *Astronomical observatories

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 75-76)

I. Kalmykov, A. M.

II. FTD-TT-62-959

(p. 75-76)

III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Podobed, V. V.
ASTRONOMICAL RESEARCH CARRIED ON AT THE
P. K. SHTEINBERG STATE ASTRONOMICAL IN-
STITUTE OF MOSCOW STATE UNIVERSITY DURING
THE YEARS 1955-56, 1956-57, 7p FTD-TT-(2-959)
G. 1-88.
Order from CTS, SLA, or FTO \$28.50 in TT-64-1317
(p. 77-34)

Unedited rough draft trans. from mono. Astro metri-
cheskaya konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTORS: *Astronomy, *Photography, Stars,
Nebulae, Planets, Satellites (Artificial), Astronomical
geodesics, Time

(Astronomy, TT, v. 11, no. 5)

TT-64-1317 (p. 77-34)

I. Podobed, V. V.
II. FTD-TT-(2-959)
(p. 77-34)
III. Foreign Tech. Inf.,
Air Force Systems
Command, 1-149-
Pattern of AFM, 1-149-

Office of Technical Services

Shlyuev, A. V.
ON THE WORK OF THE TIME SERVICE OF THE
ASTRONOMICAL OBSERVATORY OF Leningrad
STATE UNIVERSITY FOR THE PERIOD FROM
1 JAN 56 TO MAY 58. 10 or 63, 3p FTD-TT-62-959
(p. 84-86).
Order from OTS, SLA, at FTC \$23.50 in TT-64-13176
(p. 34-86)

Unedited rough draft trans. from mono. Astronometri-
ches iya Konferentsiya SSSR (no. 14) Kiev,
27-31 May 58. Tudy, Moscow, 1960.

DESCRIPTIONS: *Astronomical observatories, Chrono-
graphs, Timing devices, Time, *Time signals,
Astronomical geodesics

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 84-86)

- I. Shlyuev, A. V.
- II. FTD-TT-62-959
(p. 84-86)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Nefed'ev, A. A.

ON THE WORK OF THE ASTROMETRY DEPARTMENT OF THE ENGELHARDT ASTRONOMICAL OBSERVATORY, DEC 55-MAY 58. 10 Oct 64, FTD-TT-62-959 (p. 87-90).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176 (p. 87-90)

Unedited rough draft trans. from mono. Astrometri-
cheskieya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Tandy, Moscow, 1960.

DESCRIPTIONS: *Astronomy, Stars, Moon, Rotation,
Extraterrestrial topography, Astronomical geodesics

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 87-90)

- I. Nefed'ev, A. A.
- II. FTD-TT-62-959
(p. 87-90)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Drofa, V. K.
ASTRONOMICAL PROJECTS OF THE ASTRONOMICAL
OBSERVATORY OF T. G. SHEVCHENKO KIEV
STATE UNIVERSITY DURING 1956-57. 10 Oct 63, 3p
FTD-TT-62-959 (p. 91-93)
Order from CTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 91-93)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Study, Moscow, 1960.

DESCRIPTION: "Astronomy, Stars, Moon, Photog-
raphy, Location, Extraterrestrial topography

(Astronomy, TT) v. 11, no. 5)

TT-64-13176 (p. 91-93)

- I. Drofa, V. K.
- II. FTD-TT-62-959
(p. 91-93)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Kuz'menko, K. N.
THE WORK OF THE ASTROMETRY DEPARTMENT
OF THE ASTRONOMICAL OBSERVATORY OF
KHARKOV STATE UNIVERSITY. 10 Oct 63, 3p
FTD-TT-62-959 (p. 94-96).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 94-96)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTION: *Astronomy, Stars, Catalogs, Planets,
Time, Clocks

(Astronomy TT, v. 11, no. 5)

TT-64-13176 (p. 94-96)

- I. Kuz'menko, K. N.
- II. FTD-TT-62-959
(p. 94-96)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Novopashennyi, B. V.
THE ASTROMETRICAL PROJECTS OF THE
ASTRONOMICAL OBSERVATORY OF ODESSA STATE
UNIVERSITY, JAN 56-MAY 58. 10 Oct 63, 3p
FTD-TT-62-959 (p. 97-99).
Order from OTS: SLA, or ETC \$28.50 in TT-64-13176
(p. 97-99)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Tludy, Moscow, 1960.

DESCRIPTORS: *Astronomy, Stars, Catalogs, Time

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 97-99)

- I. Novopashennyi, B. V.
- II. FTD-TT-62-959
(p. 97-99)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Shtelnes, K. A.
REPORT OF THE ASTRONOMICAL OBSERVATORY
OF THE LATVIAN STATE UNIVERSITY ON
ASTRONOMICAL OBJECTS, 1956-58. 10 Oct 63, 2p
FTD-7T-62-959 (p. 100-101).
Orig. Doc. OTS, S.A., DTIC \$28.50 in TT-64-13176
(p. 100-101)

Unedited rough draft trans. from mono. Astronometricheskaya Konferentsiya SSSR (no. 14) Kiev, 27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTION: Astronomy, Time, Photography, Satellites (Artificial), Theory

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 100-101)

I. Shtelnes, K. A.
1. FTD-7T-62-959
(p. 100-101)
III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-Patterson AFB, Ohio

Office of Technical Services

Yazev, A. I.
ASTROMETRIC PROJECTS OF THE ASTRONOMICAL
OBSERVATORY OF THE ZHDANOV INKUTSK STATE
UNIVERSITY, 1956-58. 10 Oct 63, 5p FTD-TT-459
(p. 102-106).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 102-106)

Unedited rough draft trans. from mono. Astronometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTION: Astronomy, Time, Astronomical
geodesics, Time signal, Clocks, Errors

(Astronomy, TT v. 11, no. 5)

TT-64-13176 (p. 102-106)

- I. Yazev, A. I.
- II. FTD-TT-62-959
(p. 102-106)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Kulagin, S. G.

THE GEODID LATTITUDE STATION OF THE ALL-
UNION / S. LONGITUDINAL AND GEODETIC SOCIETY.

10 Oct 64, 4p 5. of FTD-TT-62-959 (p. 107-110).

Order from LITS, S. A., or FIC \$28.50 in TT-64-13176
(p. 107-110)

Unedited rough draft trans. from mono. Astronimicheskaya Konferentsiya SSSR (no. 14) Kiev, 27-30 May 68. Trudy, Moscow, 1966.

DESCRIPTION: "Astronomical geodesy, Astronomical observations"

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 107-110)

I. Kulagin, S. G.

II. FTD-TT-62-959

(p. 107-110)

III. [] Tech. Div.,
Air Force Systems
Command, Wright-Patterson AFB, Ohio

Office of Technical Services

Konstantinov, A. L.
THE WORK OF THE TIME SERVICE OF THE ALL-
UNION SCIENTIFIC RESEARCH INSTITUTE OF
PHYSICAL-TECHNICAL AND RADIO ENGINEERING
MEASUREMENTS (ASIAIPREM) DURING 1956-58.
10 Oct 60, 4p FTD-TT-62-959 (p. 111-114).
Order form OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 111-114)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Tandy, Moscow, 1960.

DESCRIPTION: *Time signals, Astronomy, Clocks

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 111-114)

- I. Konstantinov, A. L.
- II. FTD-TT-62-959
(p. 111-114)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Nadeev, L. N.
THE WORK OF THE LAKUTSK TIME AND FRE-
QUENCY LABORATORY OF THE ASIAPIEM,
1955-57. 10 Oct 63, 14p FTD-TT-62-959 (p. 115-118).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 115-118)

Unedited rough draft trans. from mono. Astronometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev.
27-30 May 58. Tudy, Moscow, 1960.

DESC. INFO. S: *Astronomy, Time, Clocks, Time
signals

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 115-118)

- I. Nadeev, L. N.
- II. FTD-TT-62-959
(p. 115-118)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Tovchigrechko, S. S.
THE WORK OF THE TIME SERVICE OF THE
MENDEL'EEV ALL-UNION SCIENTIFIC-RESEARCH
INSTITUTE OF METEOROLOGY (VNIM) FOR THE
PERIOD 1956-MAY 58. 10 Oct 63, 4p 4 refs
FTD-TT-62-959 (p. 119-122).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 119-122)

Unedited rough draft trans. from mono. Astrometri-
cheskaya Referentadya SSSR (no. 14) Kiev,
27-30 May 58; Tudy, Moscow, 1960.

DESCRIPTION: *Astronomy, Chronographs, Timing
devices, *Time, Clocks

(Astronomy, TT v. 11, no. 5)

TT-64-13176 (p. 119-122)

- I. Tovchigrechko, S. S.
- II. FTD-TT-62-959
(p. 119-122)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Kuznetsov, A. N.
SCIENTIFIC-RESEARCH WORK OF THE DEPARTMENT OF ASTRONOMY OF THE MOSCOW INSTITUTE OF GEODETIC, AERIAL SURVEY, AND CARTOGRAPHIC ENGINEERS (MIGAIK). 10 Oct 63, 5p FTD-IT-62-959 (p. 123-127).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176 (p. 123-127)

Unedited rough draft trans. from mono. Astronometri-cheskiye Konferentsiya SSSR (no. 14) Kiev, 27-30 May 58. TsSU, Moscow, 1960.

DESCRIPTION: *Astronomical geodesics, Astronomical data, Instrumentation

(Earth Sciences--Geodesy, TT, v. 11, no. 5)

TT-64-13176 (p. 123-127)

- I. Kuznetsov, A. N.
- II. FTD-IT-62-959 (p. 123-127)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Chang, Yu-cha.
ASTRONOMICAL WORK IN CHINA. 10 Oct 63. 3p
FTD-TT-62-959 (p. 123-130).
Order from CTS, SLA, or EIC \$28.50 in TT-64-3176
(p. 123-130)

Unedited rough draft trans. from mono. Astronometicheskaya Konferentsiya SSSR (no. 14) Kiev, 27-30 May 58. Tudy, Moscow, 1960.

DESCRIPTORS: Astronomy, Photography, Nebulae, Stars, Planets, Time, China

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 123-130)

- I. Chang, Yu-cha
- II. FTD-TT-62-959
(p. 123-130)
- III. Foreign Tech. Div.,
All Force Systems
Command, Night-
Datterson AFB, Ohio

Office of Technical Services

Witkowski, J. J.
 LATITUDE AND LONGITUDE WORK AT THE
 ASTRONOMICAL STATION OF THE POLISH ACAD-
 EMY OF SCIENCES AT BOLOWIEC ($\lambda = -1^h 08^m 18^s 45$;
 $\phi = +52^\circ 16' 38'' 0$). 10 Oct 63, 9p (figs omitted) FTD-
 TT-62-59 (p. 131-139).
 Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
 (p. 131-139)

Unedited rough draft trans. from mono. Astronometri-
 cheskaja Konferentsiya SSSR (no. 14) Kiev,
 27-30 May 58. Trudy, Moscow, 1960.

DESCRIPTION: *Astronomy. *Astronomical geodesics.
 Time

(Earth Sciences - Geodesy, TT, v. 11, no. 5)

TT-64 13176 (p. 131-139)

I. Witkowski, J. J.
 II. FTD-TT-62-959
 (p. 131-139)
 Foreign Tech. Div.,
 Air Force Systems
 Command, Wright-
 Patterson AFB, Ohio

Office of Technical Services

Zverev, M. S. and Polozhentsev, D. D.
STUDY OF THE PFCFS SYSTEM. 10 Oct 63, 13p
Graf FTD-TT-62-959 (p. 144-156).
Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 144-156)

Unedited rough draft trans. from mono. Astronomi-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Study, Moscow, 1960. (Abstract
available)

DESCRIPTIONS: *Astronomy, *Stars, Catalogs

The PFCFS with regard to incidental errors appears to
be the most accurate current catalog of faint stars. It
is apparently the only catalog in which the average
errors of the coordinates of faint stars do not exceed
 ± 0.15 for the 1960.0 epoch. The system of coordinates
and of proper motions of the PFCFS is close to the FK3
with the exception of the system of right ascensions of
(Astronomy, TT v. 11, no. 5) (over)

TT-64-13176 (p. 144-156)

- I. Zverev, M. S.
- II. Polozhentsev, D. D.
- III. FTD-TT-62-959
(p. 144-156)
- IV. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Gulyaev, A. P.
AN INVESTIGATION OF THE SYSTEM OF NIGHT
ASCENSIONS OF FK3 STARS IN THE CIRCUMPOLAR
REGION ACCORDING TO OBSERVATIONS WITH THE
MOSCOW MERIDIAN CIRCLE. 10 Oct 63, 3p 5.cfs
FTD-TT-62-959 (p. 157-164).
Order from OTS, SLA, or ETC \$20.50 in TT-64-13176
(p. 157-164)

Unedited rough draft transl. from mono. Astronometricheskaya Konferentsiya SSSR (no. 14) Kiev, 27-30 May 53. Study, Moscow, 1960.

DESCRIPCIÓN: *Astronomy, *Stars, Measurement

(Astronomy, TT, v. 11, no. 5)

TT-64-13176 (p. 157-164)

- I. Gulyaev, A. P.
- II. FTD-TT-62-959
(p. 157-164)
- III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

Nefed'eva, A. I.
 SYSTEMATIC DECLINATION ERRORS OBTAINED
 FROM THE OBSERVATIONS OF M. A. GJACHIV.
 10 Oct 60, 14p FTD-TT-62-959 (p. 165-178).
 Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
 (p. 165-176)

Unedit. rough draft trans. from mono. Astron. ri-
 cheskap. Konferentsiya SSSR (no. 14) Kiev,
 27-30 May 58. Trudy, Moscow, 1960. (Abstract
 available)

DESCRIPTION: *Astronomy, *Stars, Measurement,
 Errors

In the case of the meridian circle of Engelhardt Ob-
 servatory, the combining of the observations for each
 position of the objective and ocular does not improve
 the declinations in a systematic way. Interchanging the
 ocular and objective does not eliminate instrument
 (Astronomy, TT, v. 11, no. 5) (over)

TT-64-13176 (p. 165-178)

- I. Nefed'eva, A. I.
- II. ~~SECRET~~-62-959
- III. ~~FTD-TT-62-959~~
 (p. 165-178)
- IV. Foreign Tech. Div.,
 Air Force Systems
 Command, Wright-
 Patterson AFB, Ohio

Office of Technical Services

Mansurova, K. S.

SYSTEMS OF DECLINATIONS OBTAINED FROM
LATITUDE OBSERVATIONS. 10 Oct 63, 13p 13.efs
FTD-TT-62-959 (p. 179-191).

Order from OTS, SLA, or ETC \$28.50 in TT-64-13176
(p. 179-191)

Unedited rough draft trans. from mono. Astronometri-
cheskaya Konferentsiya SSSR (no. 14) Kiev,
27-30 May 58. Tludy, Moscow, 1960. (Abstract
available)

DESCRIPTORS: *Astronomy, *Stars, Measurement,
Errors

Observations with the zenith telescope yield a good
declination system with respect to $\Delta\delta_c$. Observations,
according to a program consisting of a large number of
pairs permitted reliable control of the system of the
initial catalog. Similar observations may be set up to
(Astronomy, TT, v. 11, no. 5) (over)

TT-64-13176 (p. 179-191)

I. Mansurova, K. S.

II. FTD-TT-62-959
(p. 179-191)

III. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Paterson AFB, Ohio

Office of Technical Services